

I CLAIM:

1. A skeleton frame assembly for a tent, comprising:

at least three spaced apart vertical poles cooperatively defining a shelter space thereamong,
5 each of said vertical poles defining a first side and a second side transverse to said first side, and having opposite upper and lower ends, each of said vertical poles including a first vertical rod, a second vertical rod spaced apart from and aligned with said first vertical rod along said first side of a respective one of said vertical poles, a third vertical rod spaced apart from and aligned with said second vertical rod along said second side of the respective one of said vertical poles, and three
10 elongated latticed plates, each of which interconnects an adjacent pair of said first, second and third vertical rods, each of said first, second and third vertical rods having a non-circular cross-section and being formed with two
15 engaging grooves extending along a longitudinal length thereof, each of said latticed plates having opposite sides respectively engaging an adjacent pair of said engaging grooves in said adjacent pair of said first, second and third vertical rods;
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25 at least three pole couplers mounted respectively on said upper ends of said vertical poles;

at least three horizontal tie beam units, each of which has two opposite ends connected respectively to an adjacent pair of said pole couplers so as to provide stability and rigidity to said skeleton frame assembly; and

a roof frame disposed over said pole couplers and said tie beam units above said shelter space.

2. The skeleton frame assembly as defined in Claim 1, wherein each of said first, second and third vertical rods has opposite upper and lower ends, said upper ends of said first, second and third vertical rods cooperatively defining said upper end of a respective one of said vertical poles, said lower ends of said first, second and third vertical rods cooperatively defining said lower end of the respective one of said vertical poles, said skeleton frame assembly further comprising three footings, which are adapted to be seated on a supporting surface, and each of which is formed with a slot that fittingly receives said lower ends of said vertical rods of a respective one of said vertical poles.

3. The skeleton frame assembly as defined in Claim 2, wherein each of said pole couplers has a top wall disposed above said upper end of a respective one of said vertical poles, a first side wall that extends downwardly from said top wall, that faces

5 said first side of a respective one of said vertical poles, and that is formed with a first tubular member projecting outwardly therefrom, and a second side wall that extends downwardly from said top wall, that faces said second side of the respective one of said vertical poles, and that is formed with a second tubular member projecting outwardly therefrom, said opposite ends of each of said tie beam units extending into and secured to an adjacent 10 pair of said first and second tubular members of said adjacent pair of said pole couplers, respectively.

- 15 4. The skeleton frame assembly as defined in Claim 3, wherein said first and second side walls of each of said pole couplers cooperatively define a corner therebetween, each of said pole couplers being further formed with a third tubular member projecting outwardly from said corner into said shelter space.
- 20 5. The skeleton frame assembly as defined in Claim 4, wherein each of said tie beam units includes left and right parts and an interconnecting unit interconnecting said left and right parts, each of said left and right parts including upper and lower tie beams each of which has opposite inner and outer ends and an engaging groove extending between said inner and outer ends thereof, and a webbed plate
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extending between said upper and lower tie beams and inserted into said engaging grooves in said upper and lower tie beams, said inner ends of said upper and lower tie beams of said left part of a
5 respective one of said tie beam units respectively abutting against said inner ends of said upper and lower tie beams of said right part of the respective one of said tie beam units, said outer ends of said upper and lower tie beams of each of said left and
10 right parts cooperatively defining a respective one of said opposite ends of a respective one of said tie beam units and engaging a respective one of an adjacent pair of said first and second tubular members of said adjacent pair of said pole couplers,
15 said interconnecting unit including an upper interconnecting plate overlapping said inner ends of an adjacent pair of said upper tie beams of said left and right parts, a lower interconnecting plate overlapping said inner ends of an adjacent pair of said lower tie beams of said left and right parts,
20 and a plurality of adjustable bolts extending through said upper and lower interconnecting plates and engaging said inner ends of said upper and lower tie beams of said left and right parts.

25 6. The skeleton frame assembly as defined in Claim 5, wherein said upper interconnecting plate of said interconnecting unit of each of said tie beam units

is formed with a fourth tubular member projecting outwardly therefrom into said shelter space, said roof frame including an apex portion formed with a plurality of rafter-holding tubular members extending outwardly therefrom, and a plurality of rafters, each of which has two opposite ends inserted respectively into a respective one of said rafter-holding tubular members of said apex portion and one of a respective one of said third tubular members of said pole couplers and said fourth tubular member of said upper interconnecting plate of said interconnecting unit of a respective one of said tie beam units.